## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | INITIALS | ID NO.  | DATE   |  |  |  |  |  |
|---------------------------|----------|---------|--------|--|--|--|--|--|
|                           |          | 1 acarl | 1/1    |  |  |  |  |  |
| FEE DETERMINATION         | W.       | . 48909 | 2/2/00 |  |  |  |  |  |
| O.I.P.E. CLASSIFIER       | ON N     | 37      | 0.115  |  |  |  |  |  |
| FORMALITY REVIEW          |          | 71531   | 123.00 |  |  |  |  |  |
| RESPONSE FORMALITY REVIEW | UN .     | 71531   | 6.2.00 |  |  |  |  |  |
|                           |          |         |        |  |  |  |  |  |

## **INDEX OF CLAIMS**

| ~ | Rejected                   | N   | Non-elected  |
|---|----------------------------|-----|--------------|
| = | Allowed                    | - 1 | Interference |
| _ | (Through numeral) Canceled | Α   | Appeal       |
| ÷ | Restricted                 | 0   | Objected     |

| <u> </u>     |          |          | Date     |                |            |           |                |              |              | $\neg$       | Claim Date      |          |            |          |              |              |          |           |              |          | Claim Date |                        |  |          |          |    |  |          |              |          |          |              |              |  |          |
|--------------|----------|----------|----------|----------------|------------|-----------|----------------|--------------|--------------|--------------|-----------------|----------|------------|----------|--------------|--------------|----------|-----------|--------------|----------|------------|------------------------|--|----------|----------|----|--|----------|--------------|----------|----------|--------------|--------------|--|----------|
| Cla          | im       | <u> </u> | <u> </u> | Date           |            |           |                |              |              |              | -               | Cla      | Claim Date |          |              |              |          |           |              |          | $\dashv$   | CIE                    | 1                                      | -        |          | _  | т  | Jak      |              | -        | $\neg$   |              |              |  |          |
| Final        | Original | \$/2//0> | Achor    |                |            |           |                |              |              |              |                 | Final    | Original   |          |              |              |          |           |              |          |            |                        |  | Final    | Original |    |  |          |              |          |          |              |              |  |          |
| 1            | ন        | 17       | 3        | $\dashv$       | $\dashv$   | -         |                | $\dashv$     | $\dashv$     | $\dashv$     | $\dashv$        | <u> </u> | 51         | 7        | -+           | $\dashv$     | $\dashv$ | $\dashv$  | 7            | 十        | 7          |                        | $\neg$                                 |          | 101      |    | $\Box$   | 寸        | 1            | 寸        | _        |              | ╛            | $\dashv$   | _        |
| $\vdash$     | 2        |          | 7        | $\dashv$       | -          | $\dashv$  | $\dashv$       | $\dashv$     |              | -            | $\dashv$        | $\vdash$ | 52         | 7        |              | +            | +        | -         | $\dashv$     | $\dashv$ | ┪          | $\dashv$               | $\dashv$                               |          | 102      |    | $\neg$   | _        | 7            | -        | _        | 一            | 寸            | 寸  | _        |
| $\vdash$     |          | J        | J        | $\dashv$       | $\dashv$   |           | -              | $\dashv$     |              | $\dashv$     | $\dashv$        |          | 53         | $\dashv$ | _            | $\dashv$     | 1        | -†        | +            | $\dashv$ | $\dashv$   | $\dashv$               | $\dashv$                               | _        | 100      | +  | -1   | _        | $\dashv$     | -        | $\neg$   | 寸            |              | $\dashv$   | _        |
| $\vdash$     |          | 6        | ۵        | Н              | $\dashv$   | -         |                | $\dashv$     | $\vdash$     | $\dashv$     | $\dashv$        | -        | 54         | $\dashv$ | $\dashv$     | $\dashv$     | -+       | $\dashv$  | $\dashv$     | $\dashv$ | $\dashv$   | +                      | $\dashv$                               | -        | 104      | 1  | $\dashv$   | +        | +            | $\dashv$ | -        | ᅱ            | $\dashv$     | 十  |          |
| $\vdash$     | 5        |          | J        | $\vdash$       | +          | -         | -              | $\dashv$     | Н            | $\dashv$     | $\dashv$        |          | 55         | -        | 寸            | 寸            |          | 1         | ┪            | 十        |            | _                      | $\neg$                                 | $\vdash$ | 105      |    |  | $\neg$   | $\neg$       |          | _        |              | $\dashv$     | 寸  | _        |
| $\vdash$     | 6        | -        | V        | ┝┥             | $\dashv$   | _         | $\dashv$       | $\dashv$     |              |              | -               |          | 56         | $\neg$   | $\dashv$     | 1            | $\dashv$ | 7         | 7            | 十        | 7          | 7                      | $\dashv$                               |          | 106      | -  |  | 寸        | $\neg$       |          |          | 一            | $\dashv$     | 寸  |          |
| -            | 7        | <u> </u> | J        | Н              | $\dashv$   | -         | $\dashv$       | $\neg$       |              | -            | $\dashv$        | $\vdash$ | 57         | -        | $\dashv$     | T            | $\dashv$ | 十         | 7            | $\dashv$ | ┪          | _                      | _                                      |          | 107      |    |  | 寸        | $\dashv$     | $\neg$   | 寸        | $\neg$       | ~†           | -  |          |
| $\vdash$     | 8        |          | 3        | $\vdash$       |            | 一         | $\dashv$       | $\dashv$     | Н            | $\dashv$     | $\dashv$        | <u> </u> | 58         | $\dashv$ | -            | 7            | 7        | $\dashv$  | 寸            | -+       | 1          | 7                      | ┪.                                     | <b>—</b> | 108      | +  |  | 7        | _            |          |          | $\neg$       | 寸            | $\dashv$   | _        |
| $\vdash$     | Q        |          | J        | $\vdash$       | -          | $\dashv$  | -              | ┪            | Н            | -            | $\dashv$        | -        | 59         | -        | _            | 寸            | $\dashv$ | $\dashv$  | $\dashv$     | $\dashv$ | -          |                        | $\neg$                                 | $\vdash$ | 109      |    | $\neg$   |          | 7            | _        | ┪        |              | ヿ            | 一  | _        |
| $\vdash$     | 10       |          | 5        |                | $\dashv$   | $\dashv$  | $\dashv$       |              | $\vdash$     | -            | ᅱ               |          | 60         | $\dashv$ | $\dashv$     | ┪            | 十        |           |              | 1        | $\dashv$   | $\neg$                 | _                                      |          | 110      | _  |  | $\neg$   |              |          | 一        | $\neg$       | ヿ            | $\neg$   | _        |
| -            | 111      |          | V        | $\vdash$       | ┪          |           | $\neg$         |              | Н            | $\dashv$     | $\dashv$        |          | 61         | 寸        | $\dashv$     | $\dashv$     | -        | _         | ┪            | 寸        |            | _                      |  |          | 11       |    |  |          |              | $\neg$   | 一        |              | 寸            |  | _        |
| F            | 1        | Ø        | 0        | $\vdash$       | 一          | $\dashv$  |                | -            |              |              | $\dashv$        |          | 62         |          | 一            | 7            | 寸        | 7         | 寸            | 寸        |            |                        |  |          | 112      | 2  |  | $\neg$   | $\neg$       |          | $\neg$   | $\neg$       |              | $\neg$   |          |
| $\vdash$     | 13       | H        | J        | Н              | $\dashv$   | $\neg$    | $\dashv$       | $\neg$       | Н            | $\exists$    | $\dashv$        |          | 63         |          | ┪            |              | _        | 7         |              | 1        |            |                        | -                                      |          | 11:      |    | П  |          |              |          |          |              | ╗            | T  | _        |
| -            | 1        | 7        | v        | Н              | -          | $\neg$    | H              | _            |              | $\dashv$     | ┪               |          | 64         |          | ヿ            | 1            | 寸        | _         |              |          |            | 7                      |  |          | 114      | -  | Н  |          |              | _        |          |              | $\neg$       | $\Box$   | _        |
| $\vdash$     | 15       |          | V        | Н              | _          |           |                |              | $\vdash$     | $\dashv$     | $\dashv$        |          | 65         | $\dashv$ | $\neg$       | $\neg$       | 寸        | 7         | ┪            | 7        | $\neg$     | $\exists$              |  | <u> </u> | 11!      |    |  | $\Box$   |              |          |          |              | $\neg$       | П  | Π        |
| $\vdash$     | 16       | +        | v        | Н              | $\dashv$   | $\exists$ | $\vdash$       | _            |              | $\vdash$     | ╡               | H        | 66         |          | $\dashv$     | $\dashv$     | 寸        | -         | _            |          | _          |                        | $\dashv$                               |          | 110      | -  |  |          |              |          |          | _            |              | 口  |          |
| -            | 17       |          | v        | Н              |            | -         | $\vdash$       | -            | $\vdash$     | $\dashv$     | $\dashv$        | _        | 67         |          | $\dashv$     |              | $\dashv$ |           | $\dashv$     |          |            | $\Box$                 | $\dashv$                               | -        | 11       | -  |  |          |              |          |          | _            | $\sqcap$     | П  | Г        |
| +            | 18       |          | Ť        | Н              | $\dashv$   |           | H              | -            | -            | $\vdash$     | $\dashv$        | ┢        | 68         |          | $\dashv$     | _            | 1        | $\dashv$  | -            | _        |            |                        |  |          | 11       | +  | <del>                                     </del> |          |              |          |          |              | $\Box$       | $\vdash$   | _        |
| -            | 19       | +        | $\vdash$ |                |            |           | $\vdash$       | _            | -            | H            | ᅱ               | $\vdash$ | 69         | H        | -1           |              | 寸        | $\dashv$  | ┪            | $\dashv$ | _          | Н                      | -                                      | -        | 11       | _  | Н  |          |              | ├        |          |              | П            | П  | Г        |
| -            | +        | +        | $\vdash$ |                |            | _         |                |              | $\vdash$     |              | $\dashv$        | ┝        | 70         | Н        | $\dashv$     |              | -        | -         | ᅥ            | +        | _          | H                      | $\dashv$                               | -        | 120      | +- | $\vdash$   |          | _            |          | $\vdash$ |              | П            | Н  |          |
| $\vdash$     | 20       | -        |          | -              | Ш          |           | $\sqcup$       | <u> </u>     | ⊢            | $\vdash$     | 4               | -        | -          | Н        |              |              | -        |           |              | -        | _          | $\vdash$               |  | $\vdash$ | +        | -  | -  | H        | H            | ┝        | Н        |              | $\vdash$     | Н  | -        |
| -            | 21       | +        |          |                | Н          |           | $\vdash$       | ├—           | ⊢            | Н            | 긕               | $\vdash$ | 71         | Н        | _            |              |          |           | $\dashv$     |          |            | $\vdash$               | -                                      | -        | 12       |    |  | H        | -            | -        | H        | ┢            | Н            | Н  | $\vdash$ |
| -            | 22       |          | Ͱ        | <u> </u>       | $\vdash$   |           | _              | ⊢            | $\vdash$     | Н            | -               | -        | 72<br>73   | -        |              | -            | $\dashv$ | -         |              | $\dashv$ | _          | $\left  \cdot \right $ | $\dashv$                               | -        | 12       |    |  | -        | ┝            |          |          | -            |              | $\vdash$   | ⊢        |
| ⊢            | 23       | _        | ┼        | -              | -          |           |                | <u> </u>     | <del> </del> |              | $\dashv$        | $\vdash$ | 74         | -        |              | $\vdash$     |          |           | -            | -        | _          | $\vdash$               |  | -        | 12       |    | -  |          | -            | H        | -        | -            | H            | Н  | H        |
| ┝            | 24       | +        | ╀        | $\vdash$       | Ш          |           |                |              | ┝            | Н            | $\dashv$        | -        | 75         | -        | -            | -            |          | -         | $\dashv$     |          |            | $\vdash$               | $\dashv$                               | -        | 12       | +  | ╁  | H        |              | -        | -        | ⊢            | Н            | Н  | -        |
| $\vdash$     | 25       | -        | ╄        | -              |            |           | ⊢              | -            | -            | $\vdash$     | _               | $\vdash$ | 76         |          |              | Н            | $\dashv$ | -         | -            | -        |            | ╌┤                     |  | $\vdash$ | 12       | -  | ╁  |          |              | $\vdash$ |          | -            | Н            | Н  | ┢        |
| -            | 26       |          | ⊬        |                | Н          |           | -              | -            | ├            | Н            |                 |          | 77         |          |              | Н            |          | -         | _            | -        |            | $\vdash$               | -                                      | -        | 12       | _  | ├—   | -        |              | -        | -        | ┝            | H            | Н  | ┝        |
| ⊬            | 27       | -        | +-       | ŀ              |            |           | -              | ┝            | -            | -            |                 | $\vdash$ | 78         |          |              | -            | $\dashv$ | $\dashv$  |              | -        |            | $\vdash$               | $\dashv$                               | -        | 12       | _  | -  |          |              | $\vdash$ | <u> </u> | ┢            | $\vdash$     | Н  | $\vdash$ |
| -            | 28       |          | ╀        | <del> </del> — | Н.         |           | <del> </del>   |              | $\vdash$     | Н            | -               | -        | 79         | Н        |              | Н            |          | $\dashv$  | $\dashv$     | -        |            | $\vdash$               |  | $\vdash$ | 12       | _  | $\vdash$   | $\vdash$ | ┢            | ┢┈       | -        | -            | $\vdash$     |  | ┢        |
| -            | -        | +        | $\vdash$ | ┼-             |            |           | ⊢              |              | $\vdash$     | -            | _               | $\vdash$ | 80         |          | -            | $\vdash$     | $\dashv$ | $\dashv$  |              | $\dashv$ |            | H                      | -                                      | ┝        | 13       | -  | 1.   | 1        | $\vdash$     | $\vdash$ | -        |              | H            | H  | ╁╴       |
| $\vdash$     | 30       |          | ╀╌       | -              | _          |           |                | -            | ┼-           | Н            | $\dashv$        | -        | 81         | -        | -            | Н            | $\dashv$ | -         | -            | -        |            | Н                      |  | ⊢        | 13       | +  | ┢  | H        | ┢            | ┢╌       | -        | $\vdash$     | H            | -  | ╁╌       |
| -            | 32       | -        | +-       | $\vdash$       | -          | _         | -              | _            | ┢            |              | -               | -        | 82         | -        |              | -            | $\dashv$ |           | -            | -        |            | Н                      | $\dashv$                               |          | 13       | _  | ╁  | -        | ┢            | $\vdash$ | -        | ┢            | $\vdash$     | $\vdash$   | ⊢        |
| -            | 33       | _        | ┼        | $\vdash$       | H          |           | ┝              | ├            | ╀            | Н            |                 | $\vdash$ | 83         | -        | $\vdash$     | Н            |          | Н         | -            | -        | _          | Н                      | $\dashv$                               | $\vdash$ | 13       | -  | $\vdash$   | ├        | $\vdash$     | ╁        | $\vdash$ | ┢            | -            | H  | ┢        |
| -            | 34       | _        | +-       | ├              | -          | -         | ├-             | ⊢            | ╁            | -            | -               | $\vdash$ | 84         |          | -            | -            | $\dashv$ |           | -            |          |            | -                      | +                                      | -        | 13       |    | -  | $\vdash$ | -            | -        | -        | $\vdash$     | H            | -  | H        |
| $\vdash$     | 35       |          | ┼        | ╁              | $\vdash$   | _         | ╁─             | ⊢            | ╁┈           | -            | $\dashv$        |          | 85         | ├        |              | H            | -        |           | -            | -        | _          | Н                      | $\vdash$                               | $\vdash$ | 13       |    | <del> </del>                                     | ├─       | $\vdash$     | $\vdash$ | -        |              | $\vdash$     | Н  | H        |
| 1            | 36       |          | +        | +              | -          | $\vdash$  | +-             | -            | +            | $\vdash$     | H               | -        | 86         | -        | Н            | Н            |          |           | $\vdash$     |          |            | $\vdash$               | H                                      | $\vdash$ | 13       |    | t-   | $\vdash$ | <del> </del> |          | $\vdash$ | -            | $\vdash$     | $\vdash$   | Т        |
| "            | 37       | _        | ╀        | ╁              | -          |           | ╁              | ┢            | ╁            | H            | Н               | $\vdash$ | 87         | ├        | -            | H            | -        | $\vdash$  | _            | -        |            | Н                      | $\dashv$                               | -        | 13       | -  | 1  | H        | $\vdash$     |          | $\vdash$ |              | $\vdash$     | ┢  | t        |
| <del> </del> | 38       |          | ╀        | 1              | -          | $\vdash$  | ┼              |              | +-           | $\vdash$     | Н               | -        | 88         |          | <del>-</del> | H            | -        |           |              | $\dashv$ |            | Н                      | H                                      | -        | 13       | +- | $\vdash$   | $\vdash$ | -            |          | $\vdash$ | i -          | $\vdash$     | $\vdash$   | t        |
| $\vdash$     | 39       |          | +-       | ╁              | $\vdash$   | $\vdash$  | $\vdash$       | $\vdash$     | +            | $\vdash$     | Н               | $\vdash$ | 89         |          | $\vdash$     | $\vdash$     | $\vdash$ | $\vdash$  | $\vdash$     | $\vdash$ |            | $\vdash$               | H                                      | -        | 13       | -  | $\vdash$   | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$     | -            | <del>                                     </del> | t        |
| -            | 40       |          | +        | $\vdash$       | -          | -         | ┼              | $\vdash$     | +            | -            | $\vdash \vdash$ | $\vdash$ | 90         | -        | ├-           | -            | $\vdash$ | $\vdash$  |              | $\vdash$ |            | $\vdash$               | $\vdash$                               |          | 14       | _  | $\vdash$   | t        | H            | ┢        |          | $\vdash$     | $\vdash$     | $\vdash$   | 1        |
| $\vdash$     | _        |          | +-       | ┼              | -          | -         | ╀              | $\vdash$     | ┼-           |              | Н               | -        | L          | 1        | $\vdash$     | $\vdash$     | $\vdash$ | $\vdash$  | $\vdash$     |          |            | $\vdash$               | $\vdash$                               | -        | 14       |    | $\vdash$   | $\vdash$ | $\vdash$     | ╁╌       | $\vdash$ | H            | $\vdash$     | <del> </del>                                     | +        |
| $\vdash$     | 4        |          | +        | ₩              | <b> </b> _ | <u> </u>  | 1              | ⊢            | ↓            | $\vdash$     | Ш               | $\vdash$ | 91<br>92   | ⊢        | $\vdash$     | $\vdash$     | Ш        | _         |              | $\vdash$ | -          | $\vdash$               | $\vdash$                               | -        | 1.       | 1  | ╀  | ╁        | $\vdash$     | -        | $\vdash$ | $\vdash$     | <del> </del> | $\vdash$   | +        |
| ļ            | 42       |          | 1        | 4_             | _          | <u> </u>  | ↓_             | $\vdash$     | $\vdash$     | <b> </b>     | _               | $\vdash$ |            |          | -            | -            | l-l      | $\vdash$  | <del> </del> | Н        | _          | -                      | $\vdash$                               | -        | 14       |    | $\vdash$   |          | $\vdash$     | +        | $\vdash$ | $\vdash$     | ⊢            | ╁  | $\vdash$ |
| L            | 4:       |          | +        | ┼              | <b>├</b>   | <u> </u>  | ₩              | ├-           | +-           | 1            | Н               | <br> -   | 93         |          | -            | 1            |          |           | <u> </u>     | $\vdash$ | _          | <del> </del>           | Н                                      | -        |          |    | $\vdash$   | ├-       |              | ╁        | -        | ├            | $\vdash$     | ╁  | ╁        |
| L            | 4        |          | 1        | ╄-             | $\vdash$   | L         | ┞              | 1            | ₩            | ├-           | $\vdash \vdash$ | $\vdash$ | 94         |          | <del> </del> | <u> </u>     |          |           | ├-           | Н        | _          | $\vdash$               | $\vdash$                               | <u> </u> | 14<br>14 | 4  | +  | ⊢        | $\vdash$     | ┢        | -        | <del> </del> | ⊢            | ╁  | +        |
| $\vdash$     | 4        |          | ╀        | ╁              | <u> </u>   | <u> </u>  | <del> </del> — | ┡            | ـ            | <del> </del> | Н               |          | 95         |          | -            |              | -        |           | _            | Н        | $\vdash$   | $\vdash$               | H                                      | $\vdash$ |          |    | +  | ╁        | $\vdash$     | ╁        | ├-       | ⊢            | $\vdash$     | $\vdash$   | ⊢        |
| $\vdash$     | 41       |          | 4        | 1-             | <u> </u>   | _         | ـ              | 1            | 1            | -            | Н               | $\vdash$ | 96         |          | <del> </del> | <del> </del> | $\vdash$ | $\vdash$  | ├-           | H        |            | H                      | $\vdash$                               | -        | 14       |    | ┼  | ╀        | $\vdash$     | ⊢        | ├-       | ╁            | $\vdash$     | +-   | ╁        |
| $\perp$      | 47       |          | 4_       | ╄-             | L          | _         | ┞              | <u> </u>     | 1            | ┞            | $\vdash \vdash$ | <u> </u> | 97         |          |              | Ь.           | $\vdash$ | <u> </u>  | <u> </u>     | Ш        | <u> </u>   | $\vdash$               | $\vdash$                               | <u> </u> | 14       |    | ┼—   | ┢        | ⊢            | ├        |          | ├-           | ├            | <del> </del>                                     | ⊢        |
| $\vdash$     | 48       |          | 1        |                | L          | _         | 1              | <del> </del> | $\vdash$     | ┡            | Н               | -        | 98<br>99   | $\vdash$ | -            | <u> </u>     | $\vdash$ |           | ⊢            |          | <u> </u>   | -                      | H                                      | $\vdash$ | 14       |    | $\vdash$   | -        | -            | ⊢        | -        | <del> </del> | $\vdash$     | -  | -        |
| -            | 49       | -        |          | ┼              | 1          | _         | ↓              |              | $\vdash$     |              | $\vdash$        | $\vdash$ |            |          | -            | $\vdash$     |          | -         | -            |          | -          | ⊢                      | H                                      | -        | 15       | 4  | +-   | ⊢        | ⊬            | ╀        |          | ├            | <del> </del> | <del> </del>                                     | ╁        |
| L            | 50       | 7        | $\perp$  | 1              | <u> </u>   | Ц_        | _              | L.           | Щ.           |              | ш               | L        | 100        | 1        |              | <u> </u>     | $\perp$  | <u>L_</u> | ـــــ        | L_       | L          | Ь                      | $ldsymbol{ldsymbol{ldsymbol{\sqcup}}}$ | <u> </u> | l15      | ч_ |  | 1        | L.           |          | Ц_       | Щ.           | Щ.           | ш  | _        |

If more than 150 claims or 10 actions staple additional sheet here

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